Subject: Many OpenVZ questions (software raid, development)
Posted by dbmv on Sat, 09 Aug 2008 05:19:30 GMT
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Hey guys,

I have a pretty long list of things that I need answered before I can go any further into the OpenVZ world of things.. I hope I can get the information needed and share back in some ways

Alright, so let's get started :

Hardware
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1) I plan to setup 2 SCSI disks in a Raid 1 array. The host machine is CentOS 5. Now, I know at setup of CentOS 5, you can setup software Raid 1 with the GUI, however, when you change the kernel to the OpenVZ stable, what needs to be done to resume Raid 1 mirroring? Any risks?

2) Same lines with soft raid 1/OpenVZ kernel : any known issues with it in CentOS 5? Software Raid 1 works great upon setup with CentOS, but I've heard through the grapevine that setting it up on OpenVZ is much harder, because the system is already running, and OpenVZ might not find the boot partition?

3) I'm just using a simple switch, with an ethernet drop from my provider, with a few IPs. Using the built-in ARP from OpenVZ, I want the IPs to be portable from all nodes (I.E not bound to any NIC). Will a simple switch handle this without configuration?

Software
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1) Transfers of containers from one host node to another. I know there's the built-in utility that uses rsync for "almost no downtime" between nodes. However, SSH keys need to be installed for this to work correctly, right? Now I'm really rusty with this, but is this possible for server-to-server? I plan to write a PHP/MySQL app to control the containers, so SSH keys are needed for everything I assume.

2) I've been on Virtuozzo before, and during a container migration, during the last rsync stage, a page shows up on the IP, that says it's currently migrating. Does OpenVZ have this? If so, can it be edited?

3) On creation of the container, is it possible to run commands on it (ssh) to install a control panel, for example, send the status back to the php app, and only when the install is complete say that the install is complete? I assume this could be done by using a bash script and going line by line, but just wondering if there's a built-in utility

4) How's everyone handling backups? Do you just incrementally backup /etc/vz and /vz ? Is there

some way to backup the individual containers + their configurations for easy restores? If so, any way to do so incremenally?

5) Ram usage. There's a pretty big discrepancy from Virtuozzo to OpenVZ, due to caching and its filesystem. Is there some way to get OpenVZ to report the "actual" memory usage, and not whatever is cached?

That's really it, like I said, I've been reading up on these forums and OpenVZ in general, and can only hope to share with others what I've picked up!

TIA!
